Date: Thu, 3 Feb 94 04:30:49 PST
From: Ham-Space Mailing List and Newsgroup <ham-space@ucsd.edu>
Errors-To: Ham-Space-Errors@UCSD.Edu
Reply-To: Ham-Space@UCSD.Edu
Precedence: Bulk
Subject: Ham-Space Digest V94 #18
To: Ham-Space

Ham-Space Digest   Thu, 3 Feb 94   Volume 94 : Issue   18

Today's Topics:

Send Replies or notes for publication to: <Ham-Space@UCSD.Edu>
Send subscription requests to: <Ham-Space-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Space Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-space".

Date: Sat, 29 Jan 1994 20:41:39 GMT
From: cns!rickvg@uunet.uu.net
Subject: Anik Satellite Troubles
To: ham-space@ucsd.edu

In article <2ie3ua$i1n@usenet.INS.CWRU.Edu>, John S. Papay wrote:
>
>Does anyone have the latest information on what is happening to
>the Canadian Satellite Anik E1 and E2. The Wall Street Journal
>John S. Papay K8YSE
>dv736@cleveland.freenet.edu

John, There's quite a lot of discussion over on the rec.video.satellite
newsgroup.

73 -- Rick

Rick von Glahn

rickvg@cscns.com   -- Internet (preferred)
74620,637   -- Compuserve
N0KKZ@W0GVT.#NECO.CO.USA -- packet radio

Date: Mon, 31 Jan 1994 01:44:51 -0700
From: nntp.ucsb.edu!library.ucla.edu!csulb.edu!nic-nac.CSU.net!usc!
sol.ctr.columbia.edu!destroyer!nntp.cs.ubc.ca!alberta!ve6mgs!
usenet@network.ucsd.edu
Subject: APT-Satellites: Report JAN 29, 1994
To: ham-space@ucsd.edu

Observed at station 50.7 NLat, 7.1 ELon, JAN 29, 1994

NOAA-9:   APT 137.62 On
NOAA-10:   APT 137.50 *OFF*
NOAA-11:   APT 137.62 On
NOAA-12:   APT 137.50 On
Meteor 2-21: APT 137.85 On (weak)
Meteor 3-5: APT 137.30 OFF ???
Meteor 3-6: APT 137.30 *NEW* ON ??

Meteor 3-5 is over the terminator (more or less), so no
APT could be received at my station.
NEW Meteor 3-6 (launched JAN 25) was quiet during orbit #57
around 10.30 UT, transmitted APT during orbit #58 descending
at about 12.20 UT and was quiet again orbit #59 around 14.09 UT.
A gif-image of the europe-pass orbit #58 is available for anon ftp
at ftp.gmd.de, dir images/satellites, file M60129first.gif.
The signal was good but seemed to be somewhat overmodulated.
NOAA-10 is off due to VHF-conflict with NOAA-12, should become
active again FEB 01 6.00 UT due to info from wxsat-mail-list.
And: Meteor 2-21 is weak as always.

+--+
|Peter Henne (peter.henne@gmd.de) |
| (henne@gmd.de) |
|German Nat.Research Center.f.Comp.Science |
|D-53757 St.AUGUSTIN, Germany |
+--+

Date: 31 Jan 94 02:26:02 GMT
From: unogate!news.service.uci.edu!usc!howland.reston.ans.net!spool.mu.edu!
cass.ma02.bull.com!syd.bull.oz.au!brahman!tmx!news.cs.su.oz.au!basser.cs.su.oz.au!

metro!news.ci@mvb.saic.com
Subject: Daily IPS Report - 29 Jan 94
To: ham-space@ucsd.edu

IPS RADIO AND SPACE SERVICES AUSTRALIA
Daily Solar And Geophysical Report
Issued at 2330 UT 28 January 1994
Summary for 28 January and Forecast up to 31 January
IPS Warning 02 was issued on 24 January and expires today.

1A. SOLAR SUMMARY
Activity: moderate

Flares	Max	Fadeout	Begin	End	Freq.	Sectors
M1/--	1852UT	none				

Observed 10.7 cm flux/Equivalent Sunspot Number : 119/071

1B. SOLAR FORECAST

	29 January	30 January	31 January
Activity	Low	Low	Low
Fadeouts	None expected	None expected	None expected

Forecast 10.7 cm flux/Equivalent Sunspot Number : 115/066

1C. SOLAR COMMENT
The sunspot group that has been producing the recent low level
M class flares is now on the west limb of the Sun. Another
region has returned to the east limb. This region showed
some magnetic complexity on its past transition but did not
produce any significant flares.

2A. MAGNETIC SUMMARY
Geomagnetic field at Learmonth : quiet to unsettled

Estimated Indices :	A	K	Observed A Index 27 January
Learmonth	10	3323 3221	
Fredericksburg	15		17
Planetary	17		16

2B. MAGNETIC FORECAST

DATE	Ap	CONDITIONS
29 Jan	12	Quiet to unsettled.
30 Jan	12	Quiet to unsettled.
31 Jan	12	Quiet to unsettled.

2C. MAGNETIC COMMENT
Further active periods from coronal hole do not seem likely.

3A. GLOBAL HF PROPAGATION SUMMARY

	LATITUDE BAND		
DATE	LOW	MIDDLE	HIGH
28 Jan	normal	normal	normal

PCA Event : None.

3B. GLOBAL HF PROPAGATION FORECAST

	LATITUDE BAND		
DATE	LOW	MIDDLE	HIGH
29 Jan	normal	normal	fair
30 Jan	normal	normal	fair
31 Jan	normal	normal	fair

3C. GLOBAL HF PROPAGATION COMMENT
NONE.

4A. AUSTRALIAN REGION IONOSPHERIC SUMMARY
MUFs at Sydney were near predicted monthly values

T index: 41

4B. AUSTRALIAN REGION IONOSPHERIC FORECAST

DATE	T-index	MUFs
29 Jan	40	Near predicted monthly values.
30 Jan	40	Near predicted monthly values.
31 Jan	40	Near predicted monthly values.

Predicted Monthly T Index for January is 30.

4C. AUSTRALIAN REGION COMMENT
None.
--
Dave Horsfall (VK2KFU) VK2KFU @ VK2OP.NSW.AUS.OC PGP 2.3
dave@esi.COM.AU ...munnari!esi.COM.AU!dave available

Date: 31 Jan 94 02:26:42 GMT
From: unogate!news.service.uci.edu!usc!howland.reston.ans.net!spool.mu.edu!
cass.ma02.bull.com!syd.bull.oz.au!brahman!tmx!news.cs.su.oz.au!basser.cs.su.oz.au!
metro!news.ci@mvb.saic.com
Subject: Daily IPS Report - 30 Jan 94
To: ham-space@ucsd.edu

IPS RADIO AND SPACE SERVICES AUSTRALIA
Daily Solar And Geophysical Report
Issued at 2330 UT 29 January 1994
Summary for 29 January and Forecast up to 1 February
No warning is current.

1A. SOLAR SUMMARY
Activity: moderate

Flares	Max	Fadeout	Begin	End	Freq.	Sectors
M2 X-ray	0413UT	Probable	-	-	lower	East Asia
M2 X-ray	1129UT	Probable	-	-	lower	European

Observed 10.7 cm flux/Equivalent Sunspot Number : 102/050

1B. SOLAR FORECAST

	30 January	31 January	01 February
Activity	Low	Very low	Very low
Fadeouts	None expected	None expected	None expected

Forecast 10.7 cm flux/Equivalent Sunspot Number : 100/048

1C. SOLAR COMMENT
No optical correlation for two M2 events. The most likely source would be the recent flaring region that has just rotated round the west limb of the sun.

2A. MAGNETIC SUMMARY
Geomagnetic field at Learmonth : mailnly quiet to unsettled, with 1 active period

Estimated Indices :	A	K	Observed A Index 28 January
Learmonth	10	3222 4222	
Fredericksburg	10		15
Planetary	10		16

2B. MAGNETIC FORECAST

DATE	Ap	CONDITIONS
30 Jan	10	Quiet to unsettled.
31 Jan	10	Quiet to unsettled.
01 Feb	10	Quiet to unsettled.

2C. MAGNETIC COMMENT
None.

3A. GLOBAL HF PROPAGATION SUMMARY

	LATITUDE BAND		
DATE	LOW	MIDDLE	HIGH
29 Jan	normal	normal	normal

PCA Event : None.

3B. GLOBAL HF PROPAGATION FORECAST

	LATITUDE BAND		
DATE	LOW	MIDDLE	HIGH
30 Jan	normal	normal	fair
31 Jan	normal	normal	fair
01 Feb	normal	normal	fair

3C. GLOBAL HF PROPAGATION COMMENT
NONE.

4A. AUSTRALIAN REGION IONOSPHERIC SUMMARY
MUFs at Sydney were about 15% above predicted monthly values

T index: 82

4B. AUSTRALIAN REGION IONOSPHERIC FORECAST

DATE	T-index	MUFs
30 Jan	90	About 15% above predicted monthly values.
31 Jan	80	About 15% above predicted monthly values.
01 Feb	80	About 15% above predicted monthly values.

Predicted Monthly T Index for January is 30.

4C. AUSTRALIAN REGION COMMENT
Ionosphere become enhanced during local night.
--
Dave Horsfall (VK2KFU) VK2KFU @ VK2OP.NSW.AUS.OC PGP 2.3
dave@esi.COM.AU ...munnari!esi.COM.AU!dave available

Date: 31 Jan 94 02:27:40 GMT
From: unogate!news.service.uci.edu!usc!howland.reston.ans.net!spool.mu.edu!
cass.ma02.bull.com!syd.bull.oz.au!brahman!tmx!news.cs.su.oz.au!basser.cs.su.oz.au!
metro!news.ci@mvb.saic.com
Subject: Daily IPS Report - 31 jan 94
To: ham-space@ucsd.edu

IPS RADIO AND SPACE SERVICES AUSTRALIA
Daily Solar And Geophysical Report
Issued at 2330 UT 30 January 1994
Summary for 30 January and Forecast up to 2 February

No warning is current.

1A. SOLAR SUMMARY
Activity: low

Flares: none.

Observed 10.7 cm flux/Equivalent Sunspot Number : 099/046

1B. SOLAR FORECAST

	31 January	01 February	02 February
Activity	Low	Low	Low
Fadeouts	None expected	None expected	None expected

Forecast 10.7 cm flux/Equivalent Sunspot Number : 105/054

1C. SOLAR COMMENT
None.

2A. MAGNETIC SUMMARY
Geomagnetic field at Learmonth : quiet to unsettled

Estimated Indices : A K Observed A Index 29 January

Learmonth	10	3222 2233	
Fredericksburg	07		07
Planetary	10		08

2B. MAGNETIC FORECAST

DATE	Ap	CONDITIONS
31 Jan	10	Quiet to unsettled.
01 Feb	08	Quiet.
02 Feb	08	Quiet.

2C. MAGNETIC COMMENT
None.

3A. GLOBAL HF PROPAGATION SUMMARY

	LATITUDE BAND		
DATE	LOW	MIDDLE	HIGH
30 Jan	normal	normal	normal

PCA Event : None.

3B. GLOBAL HF PROPAGATION FORECAST

	LATITUDE BAND		
DATE	LOW	MIDDLE	HIGH
31 Jan	normal	normal	fair

01 Feb   normal   normal   fair
02 Feb   normal   normal   fair
3C. GLOBAL HF PROPAGATION COMMENT
NONE.

4A. AUSTRALIAN REGION IONOSPHERIC SUMMARY
MUFs at Sydney were mostly 20-35% above monthly predicted values.

T index: 94

4B. AUSTRALIAN REGION IONOSPHERIC FORECAST
DATE   T-index MUFs
31 Jan   70   Near predicted to 30% enhanced.
01 Feb   80   Near predicted to 30% enhanced.
02 Feb   80   Near predicted to 30% enhanced.

Predicted Monthly T Index for January is 30.

4C. AUSTRALIAN REGION COMMENT
Sporadic E may affect F layer communications.
--
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End of Ham-Space Digest V94 #18
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